RUBRIC: ENGINEER SERVICE

From Regional to KySTE & to State Championship
Individual Student Event, Two Students Per School Allowed To Apply
Division Level(s): 9-12 ONLY
Student Prepared Documents Are Required to Begin Interview

NOTICE: This rubric is under review and may be augmented prior to the Registration Deadline for Regionals. Be sure to return to the STLP website in advance of your regional event to make certain you are preparing for your interview using the most recent and up-to-date rubric available.

The Engineer is the pinnacle of STLP. The privilege of being and STLP Engineer comes with the serious responsibility of representing STLP regionally, statewide and (inter) nationally. Before applying, be certain that you are ready to accept the commitment to be the strongest agent of STLP when called upon.

The STLP Engineer is an outstanding student leader in the utilization of technology to design, create, and collaborate to solve complicated technical issues. While STLP Engineers are highly technical, they are also intrinsically motivated and contain interpersonal skills necessary to demonstrate advanced leadership, while also recognizing the importance of being a life-long learner. The STLP Engineer honors the STLP Mission in their everyday actions with peers, educators and community members.

Selected students will provide technical support and leadership at KySTE, the STLP State Championship and possibly ISTE. Engineers are recognized at the State Championship each year.

What the STLP Coordinator/Teacher should do:
- Register the student online by deadline
- Shares the rubric with student
- Plan for the student to attend Regionals for the interview

What the student should do:
- Read the rubric for guidance in preparation and interview
- Bring the typed answers to these questions to Regional Qualifier
- Prepare a one-page resume that reflects skill sets and rubric requirements
- Bring the one-page resume to the Regional Qualifier
- Ask 2 persons from school, district or community to prepare a one-page letter of recommendation
- Bring the two letters to the showcase and present the letters to the judges at Regional Qualifier
- Check online schedule to understand and acknowledge that, if selected, you are committing to attend and work the KySTE conference and State Championship (review dates via STLP website).
- NOTE: Select Engineers will represent STLP at ISTE. Selection will be based upon budget, attendance and work at both KySTE and State STLP.

NOTE: Without letters, these questions and resume, the engineer candidate cannot sit for an interview.

QUESTIONS TO BE ANSWERED AND PRESENTED TO JUDGES AT REGIONAL:

1. Explain in your own words why you are applying for this position and how your selection will be beneficial to you, your school, your community and STLP Kentucky:
2. List any advanced placement courses you are taking or have taken:
3. List any technology courses you are taking or have taken:
4. List certifications you hold or currently working on (A+, CNE, CNA, and MSCE for example):
5. List any extra-curricular technology activities you participate in:
6. List any non-technology extra-curricular activities you participate in:
7. Do you hold any leadership positions this year or in the past? If so, please list:
8. If you have any after school jobs, list them and describe your responsibilities briefly.
9. Are you ever called upon to assist others in your school with technology?
10. Describe the kinds of assistance that you provide:
11. How long have you been involved with STLP?
12. Give an example of how you follow directions and rules in school and when on a trip.

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What judges should do:
- Check in candidates using the list from the online registration
- Gather questions, letters of recommendation and resume from each student
- If questions, letters and resume are complete allow student to sign up the interview
- Begin interviews based upon the schedule
- Use the rubric to score. Each Regional Showcase *can* move 1 Engineer forward and 1 Alternate. If no candidate meets these high standards, then an Engineer will not be selected.
- Tally scores and enter those scores on the rubric and master score sheet
- Do not have a tie, in case we use the net score down to fill a vacant spot
- Record all scores on Master Score Sheet
- Return all materials to Judges Headquarters, keeping nothing

NOTE: Without letters, the questions and resume, engineer candidate cannot sit for an interview.

REGIONAL QUALIFIER	CRITERIA	SCORE
ADVANCED PREPARATION AND TECHNICAL SKILLS	Advanced learning in topics (Software Preparation, LAN/WAN, Wireless And Wiring, Classes Taken, Independent Studies, On-Line Learning, Work Experience)	1 2 3 4 5 6 7 8 9 10
GENERAL MOTIVATIONAL & SOFT SKILLS	Willingness to work	1 2 3 4 5
	Positive & professional attitude	1 2 3 4 5
	High level of motivation	1 2 3 4 5
	STLP Experience	1 2 3 4 5
LEADERSHIP QUALITIES	Ability to lead and follow	1 2 3 4 5
	Complete a task assigned	1 2 3 4 5
	Work independently	1 2 3 4 5
	Communication skills	1 2 3 4 5
	STLP Leadership	1 2 3 4 5
ATTEND KySTE, STATE CHAMPIONSHIP	Students understand these events will mean getting permission to miss school and will need to make up work.	YES NO
INTERVIEW	Student presents information and answers questions	1 2 3 4 5 6 7 8 9 10
(NEW*) PERFORMANCE EVENT	Student is presented with a real-world technical issue and troubleshoots to solve the problem	1 2 3 4 5 6 7 8 9 10
	TOTAL SCORE OUT OF 75:	

STUDENT WAS **NOT SELECTED** THIS YEAR   _____

STUDENT SELECTED AS AN **ALTERNATE** (May be selected if someone drops)   _____

STUDENT **SELECTED AS JUNIOR ENGINEER**   _____